

[CONFIDENTIALITY]

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I. List of Abbreviations

IWRM Integrated Water Resources Management

II. General information

1. Brief information on the project

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) is implementing a large-scale project on Climate Sensitive Water Resources Management in Central Asia, which aims to address the region's complex environmental and water management challenges.

The project, funded by the German Federal Ministry for Economic Cooperation and Development, the Swiss Agency for Development and Cooperation and the European Union, will run from March 2023 to April 2028. It builds on the successful experience of the Transboundary Water Management in Central Asia programme (2009–2019), which developed innovative planning tools, organised academic exchanges and trained water management experts. These achievements formed the basis for the introduction of a modern integrated approach.

The project covers Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan, with a particular focus on developing regional cooperation in integrated water resources management (IWRM), taking into account the impacts of climate change. The key areas of the project include:

- Establishment of platforms for exchange in the form of basin dialogues along the Amu Darya and Syr Darya rivers to improve regional cooperation.
- Capacity building and knowledge enhancement for staff of national and regional basin organizations.
- Improvement of cooperation and interaction between scientific organizations and academic circles in Central Asia engaged in IWRM (Integrated Water Resources Management).
- Implementation of best practices in specific areas of IWRM, considering climate change (e.g., water quality and groundwater monitoring, enhancing the efficiency of irrigated agriculture) at the regional and national levels.

As part of the project's third component, in collaboration with the Water Resources Service under the Ministry of Water Management, Agriculture, and Processing Industry, the modernization of the Kyrgyz Hydro-Melioration Expedition laboratory is planned. This initiative aims to strengthen the technical capacity for water resource monitoring and analysis, enhancing the efficiency of water resource management and the resilience of water management systems in the country.

2. Context

To support the implementation of a water resource management project in Central Asia that accounts for climate change, GIZ is hiring an expert to modernize the laboratory of the Kyrgyz Hydro-Melioration Expedition under the third component of the project, which focuses on improving surface water monitoring quality.

The objective of this work is to establish an efficient laboratory for conducting hydro-melioration research, monitoring water resources, and assessing the efficiency of irrigation systems. The laboratory will play a key role in enhancing the quality of water resource monitoring and ensuring sustainable water management in Kyrgyzstan, particularly in the context of improving surface water monitoring

3. GIZ shall hire the contractor for the anticipated contract term, from **10 February 2025** to **10 July 2025**.

4. The contractor shall provide the following work/service:

Expert responsibilities for modernizing the laboratory of the Kyrgyz hydro-melioration expedition under the third component of the project focused on improving surface water monitoring quality:

Analysis and recommendations for reconstruction:

- Assessment of the current laboratory space, identifying deficiencies and challenges.
- Development of recommendations for improving and reconstructing the laboratory (reconfiguration, relocation, improvement of ventilation, lighting, power supply, etc.).
- Proposals for enhancing the efficiency of the workspace (e.g., organization of storage zones, improved usability for working with equipment and samples).
- Development of recommendations for ensuring occupational safety and compliance with standards.

Recommendations for equipment:

- Identification of the necessary equipment (analyzers, spectrometers, water pumps, sensors, laboratory instruments).
- Preparation of technical specifications and recommendations for selecting equipment in line with the laboratory's objectives and existing standards.
- Suggestions for the optimal placement of equipment in the laboratory to enhance workflow efficiency.

Preparation of recommendations for laboratory modernization:

- Preparation of recommendations to improve conditions for working with laboratory equipment, including improving accuracy and reliability of research.
- Proposals for implementing process automation to enhance efficiency.
- Development of recommendations for improving the quality control system for research and equipment operation.

Staff training:

- Recommendations for a training program for laboratory staff on the proper operation of new equipment.
- Preparation of manuals for technical maintenance and repair of equipment.
- Conducting training sessions on hydro-melioration research methods using new equipment.

Period of assignment: from 10 February 2025 to 10 July 2025.

III. Tender requirements

1. Qualifications of proposed staff

1.1 Expert 1:

1.1.1 General qualifications

Education: University degree in hydrology, water resources, land reclamation, or related fields.

Professional experience: Five years of experience in hydromelioration, laboratory reconstruction, or laboratory equipment provisioning.

Expertise in laboratory design, selection, and operation of laboratory equipment.

Proven experience in developing recommendations for laboratory reconstruction and modernization.

1.1.2 Experience in the region/knowledge of the country

Three-year work experience in Central Asia; excellent knowledge of Kyrgyzstan and the Central Asian region.

1.1.3 Language skills:

Fluent in Kyrgyz and Russian

2. Quantitative requirements

Fee days	Number of experts	Number of days per expert	Comments
<ul style="list-style-type: none"> Implementation 	1	85	Number of working days shall be confirmed by a timesheet.
Travel expenses	Number of experts	Number of days/nights per experts	Comments
<ul style="list-style-type: none"> Per-diem allowance in country of assignment 	1	0	
<ul style="list-style-type: none"> Overnight allowance in country of assignment 	1	0	
<ul style="list-style-type: none"> Travel costs (train, private vehicle) 	0	0	
Flights	Number of experts	Number of flights per experts	Comments
<ul style="list-style-type: none"> International flights: depending on location of the RWG meeting 	1	0	
<ul style="list-style-type: none"> Domestic flights 	0	0	
<ul style="list-style-type: none"> CO₂ compensation for air travel 	0	0	A budget is earmarked for settling carbon

Guidance for GIZ service providers on avoiding, reducing and offsetting GHG emissions (giz.de)			offsets against evidence.
Other costs	Number of experts	Amount per experts	Comments

Calculate your financial bid exactly in line with the quantitative requirements of the specification of inputs above. There is no contractual right to use up the full days/travel or workshops or budgets. The number of days/travel/workshops and the budgets will be contractually agreed as **maximum amounts**. The regulations on pricing are contained in the price schedule.

IV. Requirements on the format of the tender

The CV submitted for each expert can have a maximum of four pages. The concept (if required) should not exceed five pages. If one of the maximum page lengths is exceeded, the content appearing after the cut-off point will not be included in the assessment. External content (e.g. links to websites) will also not be considered).

Structure of your financial bid

Please submit the following price schedule: fee rate for one expert day in Kyrgyz soms and for the total number (85) of expert days.

3. Materials

All materials produced/developed during the period of assignment must be handed over to the Project after completing all the activities.

4. Confidentiality

An expert must keep confidential all material that is delivered to it for the performance of its work and that is the property of the GIZ Program. Likewise, you may not give said material.

5. Submission of commercial offer

- The technical and financial offers must be submitted in separate PDF files
- Technical proposal (CVs, certificates, diploma and etc)
- Financial proposal in local currency (prepared in a separate PDF file)

6. Requirements for commercial offer

- Provide full legal address, contact numbers and e-mail
- Currency: Kyrgyz som
- Payment terms: bank transfer

7. Anti-discrimination clause

- The contractor shall accept the EU Anti-discrimination clause attached to the Contract (see Annex 1)